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NEWS 1			Web Page for STN Seminar Schedule - N. America
NEWS 2	APR 02		CAS Registry Number Crossover Limits Increased to 500,000 in Key STN Databases
NEWS 3	APR 02		PATDPAFULL: Application and priority number formats enhanced
NEWS 4	APR 02		DWPI: New display format ALLSTR available
NEWS 5	APR 02		New Thesaurus Added to Derwent Databases for Smooth Sailing through U.S. Patent Codes
NEWS 6	APR 02		EMBASE Adds Unique Records from MEDLINE, Expanding Coverage back to 1948
NEWS 7	APR 07		CA/Caplus CLASS Display Streamlined with Removal of Pre-IPC 8 Data Fields
NEWS 8	APR 07		50,000 World Traditional Medicine (WTM) Patents Now Available in Caplus
NEWS 9	APR 07		MEDLINE Coverage Is Extended Back to 1947
NEWS 10	JUN 16		WPI First View (File WPIFV) will no longer be available after July 30, 2010
NEWS 11	JUN 18		DWPI: New coverage - French Granted Patents
NEWS 12	JUN 18		CAS and FIZ Karlsruhe announce plans for a new STN platform
NEWS 13	JUN 18		IPC codes have been added to the INSPEC backfile (1969-2009)
NEWS 14	JUN 21		Removal of Pre-IPC 8 data fields streamline displays in CA/Caplus, CASREACT, and MARPAT
NEWS 15	JUN 21		Access an additional 1.8 million records exclusively enhanced with 1.9 million CAS Registry Numbers -- EMBASE Classic on STN
NEWS 16	JUN 28		Introducing "CAS Chemistry Research Report": 40 Years of Biofuel Research Reveal China Now Atop U.S. in Patenting and Commercialization of Bioethanol
NEWS 17	JUN 29		Enhanced Batch Search Options in DGENE, USGENE, and PCTGEN
NEWS 18	JUL 19		Enhancement of citation information in INFADOC databases provides new, more efficient competitor analyses
NEWS 19	JUL 26		CAS coverage of global patent authorities has expanded to 61 with the addition of Costa Rica
NEWS 20	SEP 15		MEDLINE Cited References provide additional relevant records with no additional searching.

NEWS EXPRESS FEBRUARY 15 19 CURRENT WINDOWS VERSION IS V8.4.2.

AND CURRENT DISCOVER FILE IS DATED 07 JULY 2010.

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FILE 'HOME' ENTERED AT 13:09:59 ON 01 OCT 2010

=> FILE REG
COST IN U.S. DOLLARS
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ENTRY SESSION
0.22 0.22
FULL ESTIMATED COST

FILE 'REGISTRY' ENTERED AT 13:10:27 ON 01 OCT 2010
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 30 SEP 2010 HIGHEST RN 1244125-02-7
DICTIONARY FILE UPDATES: 30 SEP 2010 HIGHEST RN 1244125-02-7

New CAS Information Use Policies: enter HELP USAGETERMS for details

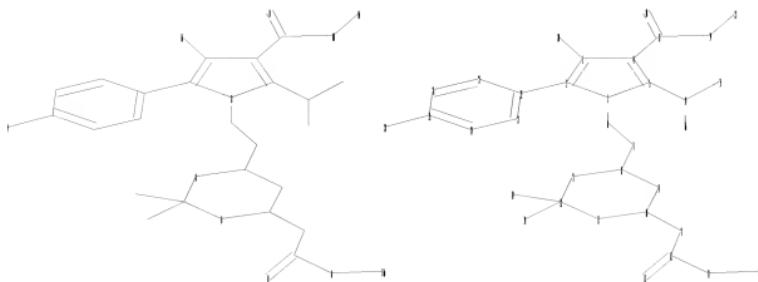
TSCA INFORMATION NOW CURRENT THROUGH June 26, 2010

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www-cas.org/support/stndgen/stndoc/properties.html>

=>
Uploading C:\Program Files\STNEXP\Queries\10549890\compound.H.str



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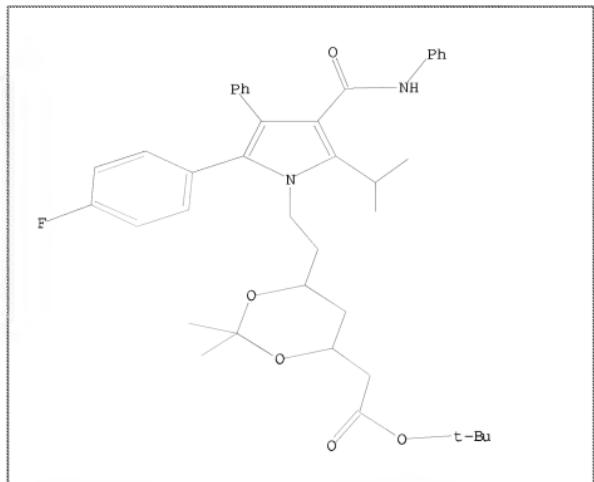
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6 7 14 15 16 17 18 19 20 21 28 29 30 31 32 33 34 35
ring nodes :
1 2 3 4 5 8 9 10 11 12 13 22 23 24 25 26 27
chain bonds :
1-6 2-22 3-20 4-17 5-14 6-7 7-8 10-31 12-29 12-30 14-15 14-16 17-18
17-19 19-21 25-28 31-32 32-33 32-34 34-35
ring bonds :
1-2 1-5 2-3 3-4 4-5 8-9 8-13 9-10 10-11 11-12 12-13 22-23 22-27 23-24
24-25 25-26 26-27
exact/norm bonds :
1-2 1-5 1-6 2-3 3-4 4-5 8-9 8-13 9-10 10-11 11-12 12-13 17-18 17-19
32-33 32-34
exact bonds :
2-22 3-20 4-17 5-14 6-7 7-8 10-31 12-29 12-30 14-15 14-16 19-21 25-28
31-32 34-35
normalized bonds :
22-23 22-27 23-24 24-25 25-26 26-27

```

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Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:Atom 9:Atom 10:Atom  
11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS  
19:CLASS 20:CLASS 21:CLASS 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom  
28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS 33:CLASS 34:CLASS 35:CLASS
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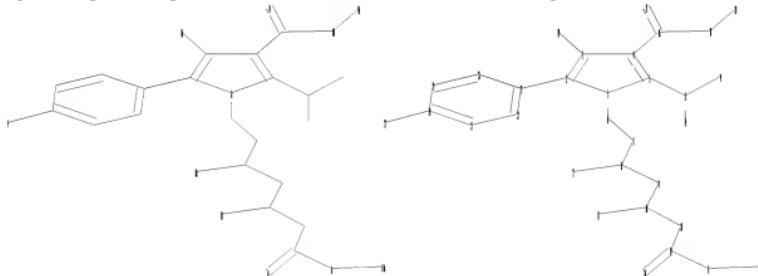
1.1 STRUCTURE UPLOADED

=> D
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> Uploading C:\Program Files\STNEXP\Queries\10549890\compound I.str



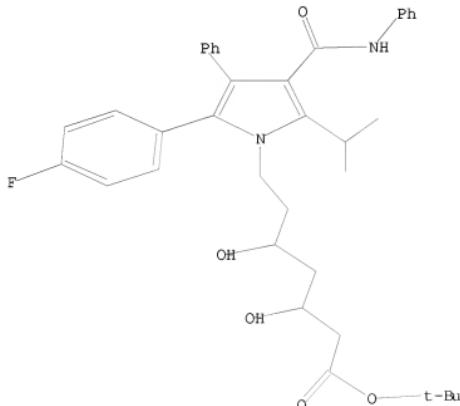
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ring nodes : 1 2 3 4 5 21 22 23 24 25 26
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chain bonds :
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 16-17 16-18 18-20 24-27 28-29 29-30 29-31 31-32
 ring bonds :
 1-2 1-5 2-3 3-4 4-5 21-22 21-26 22-23 23-24 24-25 25-26
 exact/norm bonds :
 1-2 1-5 1-6 2-3 3-4 4-5 8-12 10-11 16-17 16-18 29-30 29-31
 exact bonds :
 2-21 3-19 4-16 5-13 6-7 7-8 8-9 9-10 10-28 13-14 13-15 18-20 24-27
 28-29 31-32
 normalized bonds :
 21-22 21-26 22-23 23-24 24-25 25-26

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:Atom 9:Atom 10:Atom
 11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS
 19:CLASS 20:CLASS 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:CLASS
 28:CLASS 29:CLASS 30:CLASS 31:CLASS 32:CLASS

L2 STRUCTURE UPLOADED

=> D
 L2 HAS NO ANSWERS
 L2
 STR



Structure attributes must be viewed using STN Express query preparation.

=> S L1
 SAMPLE SEARCH INITIATED 13:11:06 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 8 TO ITERATE

100.0% PROCESSED 8 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 8 TO 329
 PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L1

=> S L1 FULL
 FULL SEARCH INITIATED 13:11:10 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 134 TO ITERATE

100.0% PROCESSED 134 ITERATIONS 13 ANSWERS
 SEARCH TIME: 00.00.01

L4 13 SEA SSS FUL L1

=> S L2
 SAMPLE SEARCH INITIATED 13:11:13 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS 0 ANSWERS
 SEARCH TIME: 00.00.01

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 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 5 TO 234
 PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L2

=> S L2 FULL
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 FULL SCREEN SEARCH COMPLETED - 125 TO ITERATE

100.0% PROCESSED 125 ITERATIONS 5 ANSWERS
 SEARCH TIME: 00.00.01

L6 5 SEA SSS FUL L2

=> D HIS

(FILE 'HOME' ENTERED AT 13:09:59 ON 01 OCT 2010)

FILE 'REGISTRY' ENTERED AT 13:10:27 ON 01 OCT 2010

L1 STRUCTURE UPLOADED
 L2 STRUCTURE UPLOADED
 L3 0 S L1
 L4 13 S L1 FULL
 L5 0 S L2

L6 5 S L2 FULL

=> FIL CAPLUS	SINCE FILE	TOTAL
COST IN U.S. DOLLARS	ENTRY	SESSION
FULL ESTIMATED COST	383.08	383.30

FILE 'CAPLUS' ENTERED AT 13:11:23 ON 01 OCT 2010
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FILE COVERS 1907 - 1 Oct 2010 VOL 153 ISS 15
 FILE LAST UPDATED: 30 Sep 2010 (20100930/ED)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Aug 2010
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Aug 2010

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2010.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

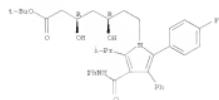
=> S L4
 L7 78 L4

=> S L6
 L8 47 L6

=> S L7 AND L8
 L9 27 L7 AND L8

=> D IBIB ABS HITSTR TOT

13 ANSWER 2 OF 27 CAPTION COPYRIGHT 2010 ACS on 27N (Continued)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

TC99AT

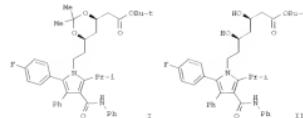
13 ANSWER 3 OF 27 CAPTION COPYRIGHT 2010 ACS on 27N
ACCESION NUMBER: 200913208846 - CAPTION
DOCUMENT NUMBER: 151128064
TITLE: Process for preparation of Atorvastatin calcium
INVENTOR(S): Zhou, Yimin; Chen, Xiaojing; Jiao, Yahong; Chen, Lusheng
Patent Assignee(s): Kang, Yanlong
Beijing Vastpharm Technology Co., Ltd., Prcp. Rep. Chna

SOURCE: CCBEN CHINAV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACT. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	END DATE	APPLICATION NO.	DATE
CH 101346177	A	20091021	CH 2000-10104156 20000416
			CH 2000-10104156 20000416

OTHER SOURCE(S): CASREACT 1511520604

G1



AS This invention provides a process for the preparation of Atorvastatin calcium, which comprises deprotection of I with organic acids (i.e. tartaric acid, maleic acid, citric acid, etc.) in the presence of a base (i.e. NaHCO₃), followed by dissolution in ales., adjusting pH with KOH to get potassium salt, and addition of calcium salts (i.e. CaCl₂ or Ca(HO₂)₂) to give the title compound.

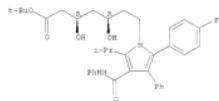
in high yield.

IT 154395-00-91
NL NCT (Reactant); RACT (Reactant or reagent); SPH (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate) preparation of Atorvastatin calcium)

NL 154395-00-91

CH 1R-Pyrrole-3-carboxylic acid, 2-(4-fluorophenyl)- β , β -dihydroxy-5-13 ANSWER 3 OF 27 CAPTION COPYRIGHT 2010 ACS on 97N (Continued)
[1-methylethyl]-3-phenyl-4-[(phenylamino)carbonyl]-, 1,3-dimethyl-1-phenyl-
ester, [9a,9b]- (CA INDEX NAME)

Absolute stereochemistry.

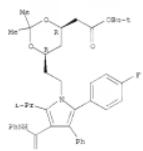


IT 125971-95-3
NL NCT (Reactant); RACT (Reactant or reagent)
(intermediate) preparation of Atorvastatin calcium)

13 ANSWER 4 OF 27 CAPTION COPYRIGHT 2010 ACS on 97N

1,3-Dioxane-4-acetic acid, 6-[2-[2-(4-fluorophenyl)-5-[(1-methylethyl)-3-
hydroxy-3-phenylpropyl]acetyl]-2,2-dimethyl-4-oxo-4-
phenylbutyl]-, 1,1-dimethyl-1-phenylpropyl ester, (4R,5R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



13 ANSWER 4 OF 27 CAPTION COPYRIGHT 2010 ACS on 97N
ACCESION NUMBER: 20091050264 - CAPTION
DOCUMENT NUMBER: 151128064
TITLE: Process for the production of atorvastatin calcium in amorphous form
INVENTOR(S): Sathyanarayana, Suresh
Sathyanarayana, Suresh
Rashmi Laboratories Limited, India
SOURCES: Suresh, S. (Inventor); Publ., 14 pag., Cont.-in-part of U.S. Pat. No. 5,49,990
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACT. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	END DATE	APPLICATION NO.	DATE
US 20090216523	A1	20090827	US 2008-344838 A2 20080221
			US 2008-344838 A2 20080221

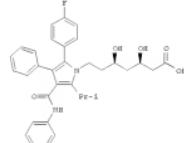
PRIORITY APPLN INFO.: CASREACT 1511280604

G1

ASSIGNMENT HISTORY FOR THE PATENT AVAILABLE IN LSSB DISPLAY FORMAT

OTHER SOURCE(S): CASREACT 1511280604

G1



AS A process for the production of amorphous atorvastatin (I) calcium and stabilized, amorphous atorvastatin calcium as provided. I calcium salt (211) was prepared by cyclization of (4R)-oxo- β -tert-Bu-2-(4-fluorophenyl)-5-[(1-methyl-1-phenylpropyl)acetyl]-2,2-dimethyl-4-oxo-4-phenylbutylbenzenobutanamide; the resulting pyrrole acetal derivative undergoes

hydrolysis to give the corresponding diol, which was converted to atorvastatin sodium salt, which was converted to atorvastatin calcium salt.

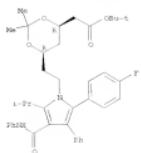
IT 125971-95-1P 134795-00-99

Searched by Jason M. Nolan, Ph.D.

Page 9

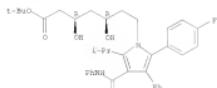
13 ANSWER 4 OF 27 CAPTION 2010 ACS on STM (Continued)
 131 IML [Industrial manufacturer]; RCT [Reactant]; SPW [Synthetic preparation]; PREP [Preparation]; RACT [Reactant or reagent]
 [prepn. of crystal form of atorvastatin hemicalcium]
 132 125571-95-1 CARBOL
 133 1,1'-Bis[4-(4-acetyl acid, 6-[2-[2-(4-fluorophenyl)-5-(1-methylethyl)-3-phenyl-4-(phenylmino)carboxyl]imino]pyrrol-1-ylmethylethyl]-2,2-dimethyl-1,1-dimethylethyl ester, (4S,6R), [CN INDEX NAME]

Absolute stereochemistry - Rotation (+)



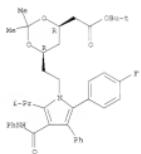
INN 134395-00-3 CAPLUS
CN 1*b*-Pyrrole-1-heptanoic acid, 2-(4-fluorophenyl)-**β**,**β**-dihydroxy-5-
(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-, 1,1-dimethylethyl
ester, (8*R*,8*S*)- (CA INDEX NAME)

Absolute stereochemistry



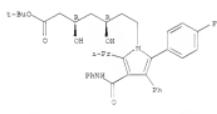
1.3 ANSWER 5 OF 27 CAPLUS COPYRIGHT 2010 ACS on 9799 (Continued)
phenyl-1-(4-[(phenylamino)carbonyl]-18-pyrrol-1-ylethyl)-2,2-dimethyl-1,1-dimethyllethyl ester, (4R,6S)- (CA INDEX NAME)

Absolute stereochirality: Rotation (a)



323 134395-00-9 CAPLUS
CN 18-(Pyrrole-1-heptasole acid, 2-(4-fluorophenyl)- β , β -dihydroxy-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-, 1,1-dinmethylethyl ester, (8a,8b)- (CA INDEX NAME)

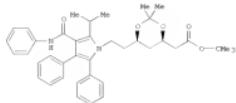
Absolute, or nonabsolute?



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE REFORMAT.

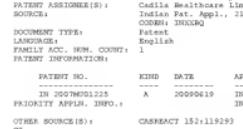
19. ANNUAL 5 OF 27 CASPUS, COPYRIGHT 2010 ACS ON STM
 ACCESSION NUMBER: 2009/790709070 CASPU
 DOCUMENT NUMBER: 1512102101
 TITLE: Preparation of amorphous form of atorvastatin
 bencilotide salt
 INVENTOR(S): Vasavant, Vyasa Ashok Pranali, Boehni Vinay
 PATENT ASSIGNEE(S): M/s Institute of Research, India
 SOURCE(s): INDIAN PAT. Appln., 23pp.
 DOCUMENT TYPE: C08K 13/04
 PCT DOCUMENT NUMBER: PCT/IN2009/050001
 FAMILY ICC: NEW, COUNT: 1
 PATENT INFORMATION:
 1. JURISDICTION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 2075246	A1	2009-07-01	EP 2007-150451	2007-12-27
R4	AT, BE, BG, CH, CY, DE, DK, ES, FI, FR, GB, GR, HU, IE, IT, NL, PL, PT, SI, SP, TR			



LG ANSWER 6 OF 27 CAPLUS COPYRIGHT 2010 ACS on STB
ACCESSION NUMBER: 20091784884 CAPLUS
DOCUMENT NUMBER: 152:119293

TITLE: Process for the preparation of amorphous atorvastatin calcium
INVENTOR(S): Jasubhai, Patel Dhiman; Manecklal, Vinchhi Kishor; Dhar, Dwivedi Shraprakash



* STRUCTURE FIGURE TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT

As a process for preparation of an amorphous form of the hemi-acetal salt of (3S,5S)-1-(2-phenyl-4-piperidyl)-2-(4-phenyl-1,3-dioxolane-2-yl)-4-phenyl-5-hydroxy heptanoic acid (II) is disclosed, the process comprising of: concentrating ethyl acetate solution containing a hemi-acetal salt of (II) in a suitable organic solvent, which is obtained by alkaline hydrolysis of a *tert*-Bu ester II in a suitable organic solvent; followed by concentrating the reaction mixture to obtain solid or slurry adding water to the concentrated mass followed by addition of Et acetate to the clear solution; addition of excess of calcium acetate solution to the clear solution; adjusting just alkaline pH; washing the separated Et acetate layer by water; addition of diethyl ether; removing the solvent by distillation to obtain powder or granules of material; and slurrying the powder or lump of material with suitable C12-C18 hydrocarbon to obtain amorphous stearovitamin D₃. Thus, amorphous stearovitamin D₃ (1.202 g) was prepared from stearovitamin D₃ (1.000 g) in Et₂O and C12-C18 hydrocarbon, and purified with aqueous HCl in MeCN, saponification with aqueous NaOH in MeCN, and salt formation with aqueous HCl in Et₂O. The product was dried in a vacuum oven at 50°C for 24 h to give amorphous stearovitamin D₃ (0.800 g).

17 125971-95-1

18 125971-96-2

19 125971-97-3

20 125971-98-4

21 125971-99-5

22 125971-100-6

23 125971-101-7

24 125971-102-8

25 125971-103-9

26 125971-104-0

27 125971-105-1

28 125971-106-2

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Searched by Jason M. Nolan, Ph.D.

10 ANSWER 8 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 20051511404 CAPLUS

DOCUMENT NUMBER: 1551208928

TITLE: A new method for the large-scale synthesis of atorvastatin calcium

AUTHOR(S): Lee, Hong Woo; Kim, Young Mi; Yoo, Cheong Leol;

Kang, Sung Kyun; Ahn, Seon Kil

CORPORATE SOURCE: Chemical Process Research and Development Laboratory, Samsung Bio-Pharmaceuticals Co., Ltd., Engineering Research Institute, Cheonan, 330-831, S. Korea

SCOPUS: Biomolecules & Therapeutics, 2005, 19(1), 28-33

PUBLISHER: Korean Society of Applied Pharmacology

DOCUMENT TYPE: Journal Article

LANGUAGE: English

AB: Atorvastatin calcium salt (1) was obtained through the preparation of lactone compound (8) from

2-(14,15-dihydro-4-(2-(2-(4-fluorophenyl)-5-oxocyclo-5-phenyl)-4-oxo-4-phenyl-3-yl)-3-yl)-2-phenyl-1,7,7-dioxaneketan-4-ylacetic acid tert-butyl ester (9) by hydrolysis in basic condition.

Efficient hydrolysis of boronate compound (10) aimed at the viable synthesis of atorvastatin calcium and production of Atorvastatin calcium is reported. Detail hydrolysis evaluation procedure are also reported.

IT: 154375-82-1

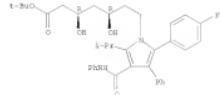
EL: PMI (Formation, unclassified); FORM (Formation, nonpreparative) (Reactant or reagent)

METHOD: calcium

RS: 154393-50-9 CAPLUS

CH: 2-(4-(4-fluorophenyl)-5-oxocyclo-5-phenyl)-4-ylacetic acid, 6-[2-(2-(4-fluorophenyl)-5-oxocyclo-5-phenyl)-3-yl]-, 1,1-dimethylethyl ester, (Et₂Si)- (CA INDEX NAME)

Absolute stereochemistry.



IT: 153971-93-1P

EL: RCT (Reactant); SPM (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

METHOD: calcium

RS: 154393-50-9 CAPLUS

CH: 2-(4-(4-fluorophenyl)-5-oxocyclo-5-phenyl)-4-ylacetic acid, 6-[2-(2-(4-fluorophenyl)-5-oxocyclo-5-phenyl)-3-yl]-, 1,1-dimethylethyl ester, (Et₂Si)- (CA INDEX NAME)

10 ANSWER 9 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN

ACCESSION NUMBER: 20051764970 CAPLUS

DOCUMENT NUMBER: 1551208928

TITLE: Method for purifying atorvastatin intermediate

INVENTOR(S): Zhou, Junwei; Yang, Deyi

PATENT ASSIGNEE(S): Shandong New-Dankang Pharmaceutical Co., Ltd., Peop. Rep. China; Yanjing Zhuanti Shengqing Gongkai Shouqingshe, 10pp. COUNTRY: CHN/CHN/CHN

DOCUMENT TYPE: Patent

LANGUAGE: Chinese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.: 20051030815 DATE: 20050725
PRIORITY APPLN. INFO.: A 200506225 CH 2005-1030815 20050725
CH 2005-1030813 20050725

The title method overcomes the steps of: (1) adding crude atorvastatin tert-butyl ester (2) 1 weight part in ketone 1-3 weight parts, stirring to dissolve completely, and producing atorvastatin tert-butyl ester acetone derl. (2) in the presence of alkyl ether hydroxyl-protection agent 0.2-0.5 weight part (2) adding the crude acetone II in alc. 2-3 weight parts, stirring, heating, until dissolve completely, cooling to room temperature, crystallizing for 2-3 h, filtering, washing the filter cake with water, and drying to obtain purified II, and (3) adding purified II in nitrile, decolorizing with activated carbon, filtering, adding water 10-15 weight parts into the filtrate, stirring, adding 10-15 weight parts of alkyl ether hydroxyl base, adding water and filtering, washing the filter cake with water, and drying to obtain the purified I, the atorvastatin intermediate. The inventive method has the advantages of low cost, simple operation, and high product purity.

IT: 154375-20-32
EL: PEX (Purification or recovery); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
METHOD: purification of atorvastatin intermediate

RS: 154393-50-9 CAPLUS

CH: 2-(4-(4-fluorophenyl)-5-oxocyclo-5-phenyl)-4-ylacetic acid, 6-[2-(2-(4-fluorophenyl)-5-oxocyclo-5-phenyl)-3-yl]-, 1,1-dimethylethyl ester, (Et₂Si)- (CA INDEX NAME)

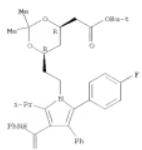
Absolute stereochemistry.

10 ANSWER 9 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

RS: 153971-93-3 CAPLUS

CH: 1,3-Dioxane-4-acetic acid, 6-[2-[2-(4-fluorophenyl)-5-[(1-methylethyl)-3-phenyl]-4-yl]-3-yl]-, 1,1-dimethylethyl-1,1-dimethylethyl ester, (Et₂Si)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



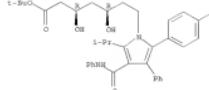
REFERENCE COUNT: 17

THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

10 ANSWER 9 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



IT: 153971-93-1P

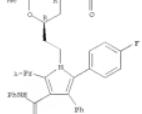
EL: RCT (Reactant); SPM (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

METHOD: purification of atorvastatin intermediate

RS: 153971-93-3 CAPLUS

CH: 1,3-Dioxane-4-acetic acid, 6-[2-[2-(4-fluorophenyl)-5-[(1-methylethyl)-3-phenyl]-4-yl]-3-yl]-, 1,1-dimethylethyl-1,1-dimethylethyl ester, (Et₂Si)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



19. ARMER IS OF 27 CAPLUS COPYRIGHT 2010 ACS OR 27N
ACCESSION NUMBER: 200711252575 CAPLUS
DOCUMENT NUMBER: 149315180
TITLE: Atorvastatin free of chlorides
AUTHOR(S): Aron
CORPORATE SOURCE:
SOURCE: USA
IPCOM0015684(4) IF.com Journal (2007), 7(88), 7 (Mo.)

5 Aug 2007
CODEN: IJPOXH; ISSN: 1533-0001
PUBLISHER: IP.com, Inc.
DOCUMENT TYPE: Journal; Patent
LANGUAGE: English
FAMILY ACT. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
IP 1546042	20070805	IP 2007-1546042D	20070805	
PR2007A00209. INFO.1			IP 2007-1546042D	20070805
AS The calcium salt of $\text{K}^{+}(\text{R}^{+}, \text{K}^{+})\text{-2-(4-fluorophenyl)-}\beta\text{-}\delta\text{-diluorocroton-5-1-methylethyl-5-phenyl-4-}\beta\text{-}\delta\text{-phenylamino-carboxyl-1-}\beta\text{-pyrrole-1-heptanoic acid was prepared by converting the ester derivative to atorvastatin using calcium hydroxide.}$				
This				

Absolute stereochemistry. Rotation (+).

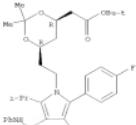
13 793131 A1 2005092135 2005-11-134
 RI AG BE BG CH CZ DE DK ES FI FR GR HU IE
 IT LT LU MT NL PT RO SE SI SK
 US 200210084561 A1 20070924 2007-10-052
 20090099371 A1 20090416 2009-10-164203
 20090099371 A1 20090416 2009-10-164203
 PRIORITY APPN. INFO. - WO 2006-13376 M 20060131

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LS09 DISPLAY FORMAT
AS : The invention pertains to a process for the preparation of pum-
angolite in a form
of atorvastatin calcium salt employing a suitable solvent system selected
from water, water miscible solvents or water immiscible solvents or
BLENDS
of these. For example,

(3R,5S)-7-[2-(4-Chlorophenyl)-3-oxo-3-phenyl-4-phenylbutyl]pyrrol-1-yl-2-[3-(5-dihydroxyheptanoic acid tert-BUTYL ester [preparation given]) was treated with sodium hydroxide at 75-80 °C in water, and then treated with calcium acetate at room temperature. Amorphous atorvastatin calcium was then obtained after work-up. The present invention provides a novel and industrially viable process for preparing atorvastatin calcium as amorphous form to avoid drawbacks associated with prior art, such as using binary or ternary solvent system, etc.

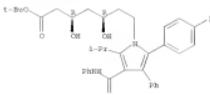
KL: IMF (Industrial manufacture); RCT (Reactant); SPM (Synthetic product); PREP (Preparation); RACT (Reactant or reagent)
|preparation of amorphous atorvastatin calcium salt)
RS 123571-93-1 CAPLEUS
C8 1,3-Dioxane-4-acetic acid, 6-[2-[2-(4-fluorophenyl)-5-(1-nethylethyl)-3-

L9 ANSWER 15 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



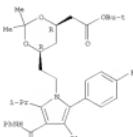
ESI 134395-09-9 CAPL05
 CH 1b: Pyrrole-1-heptanoic acid, 2-(4-fluorophenyl)- β , δ -dihydroxy-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-, 1,1-dimethylethyl ester, (B6, 6b) (CA INDEX NAME)

Absolute stereochemistry.



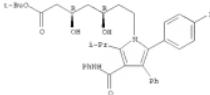
19 ANSWER 16 OF 27 CAPROS COPYRIGHT 2010 ACS on STN (Continued)
phenyl-4-[(phenylamino)carbonyl]-1H-pyrazol-1-yl)ethyl]-2,2-dimethyl-
1,1-dimethylethyl ester, (4R,6R)- (CA INDEX NAME)

Absolute stereochemistry: Rotation (a).



ESI 134295-00-9 CAPLOS
 CH 1b-Pyroxole-1-heptanoic acid, 2-(4-fluorophenyl)- β ,8-dihydroxy-5-(1-methyl-1-phenyl-3-phenyl-4-[(phenylamino)carbonyl]-1,1-dimethylethyl ester, (β), (6s) - (CA INDEX NAME)

Absolute stereochemistry.

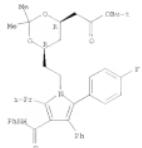


REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCE RECORD. ALL CITATIONS ARE

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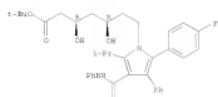
13 ANSWER 21 OF 27 CARLOS COPYRIGHT 2010 ACS ON STN (Continued)
 R1 RCT (Reactant); SPP (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (process) for prodns. of atorvastatin calcium in amorphous form free of
 crystalline form
 135-01-11 CARLOS
 135-01-11 CARLOS
 (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



INN 134395-90-9 CAPLUS
 CAS 1E-Pyrrole-1-heptanoic acid, 2-(4-fluorophenyl)- β , δ -dihydroxy-5-[1-methylethyl]-3-phenyl-4-[(phenylamino)carbonyl]-, 1,1-dimethylethyl

MATERIALS AND METHODS



08.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)
REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006/048993	A2	2006-05-11	2005-33392	2005/11/10
Mr. AS, AG, AL, AM, AN, AT, AU, AW, BA, BB, BG, BA, BE, BY, CA, CL, CO, CR, CU, DE, DK, DO, EC, ES, EO, EG, FI, GL, GR, GT, HN, HR, IS, IT, LV, LT, LV, LY, LV, MA, MD, ME, MM, MR, MU, NA, NI, NO, NL, NS, OM, PR, PT, RU, SE, SI, TR, TT, TZ, UA, US, VE, ZA	US, PT, DE, DK, DO, EC, ES, EO, EG, FI, GL, GR, GT, HN, HR, IS, IT, LV, LT, LV, LY, LV, MA, MD, ME, MM, MR, MU, NA, NI, NO, NL, NS, OM, PR, PT, RU, SE, SI, TR, TT, TZ, UA, US, VE, ZA	2006-05-11	2005-33392	2005/11/10
Mr. AT, AU, AW, BA, BB, BG, BA, BE, BY, CA, CL, CO, CR, CU, DE, DK, DO, EC, ES, EO, EG, FI, GL, GR, GT, HN, HR, IS, IT, LV, LT, LV, LY, LV, MA, MD, ME, MM, MR, MU, NA, NI, NO, NL, NS, OM, PR, PT, RU, SE, SI, TR, TT, TZ, UA, US, VE, ZA	US, PT, DE, DK, DO, EC, ES, EO, EG, FI, GL, GR, GT, HN, HR, IS, IT, LV, LT, LV, LY, LV, MA, MD, ME, MM, MR, MU, NA, NI, NO, NL, NS, OM, PR, PT, RU, SE, SI, TR, TT, TZ, UA, US, VE, ZA	2006-05-11	2005-33392	2005/11/10
IN 2004226226	A	2006-05-11	2004-32302	2004/10/10

AB This invention discloses a process for synthesis of with large size statins. The process comprising adding solution of desired statin compound either crystalline form, optionally obtained from, their intermediates by known methods, in organic solvent to anti-acid, under stirring, optionally the solvent was being evaporated, isolating the title compound by decrystallization followed by drying under vacuum. Specifically the process was directed

the synthesis of atorvastatin calcium and fluvastatin sodium. Crystalline forms A and B of fluvastatin sodium were prepared by using the

precipitation process
from THF and heptane.

IT 122971-95-1
RL RCT (Reactant); RACT (Reactant or reagent)
(process for preparation of large particle size statim compds.)

RR 125971-95-1 CAMPUS
 CN 1,3-Dioxane-4-acetic acid, 6-[2-[2-(4-fluorophenyl)-5-(1-methylethyl)-3-phenyl-1-[(phenylamino)carbonyl]-1H-pyrrrol-1-yl]ethyl]-2,2-dimethyl-1,1-dimethylethyl ester, (4R,5S)- (CA INDEX NAME)

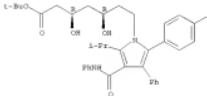
Absolute stereochemistry. Rotation (+).

13 ANSWER 21 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)
FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE R

FORMAT RECORD. ALL CITATIONS AVAILABLE IN THE RECORD.



Absolute stereochemistry.



OS.CITING REF COUNT: 1 THERE ARE 1 CAPLUS RECORDS THAT CITE THIS RECORD
(1 CITINGS)
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE INVERSE.

Searched by Jason M. Nolan, Ph.D.

13 ANSWER 21 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)

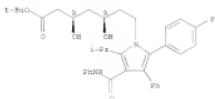
19 ANSWER 21 OF 27 CAPLUS COPYRIGHT 2010 ACS on STN (Continued)



IT 134795-00-9P
 JNL JCT (Benzant); SPM (Synthesis preparation); PREP (Preparation); RACT (Deactant or reagent)
 (process for the preparation of atorvastatin hemi-calcium via
 hydrolysis of
 $[\alpha-(3',5',7',2')-2-(4\text{-fluorophenyl})-\beta, \beta\text{-dihydroxy-5-[1-methylbutyl]-1-phenyl-4-[1-(phenylamino)carbonyl]-1H-pyrrole-3-heptanoic acid esters with calcium hydroxide})$

332 134395-00-9 CAPLUS
CB 18-(pyrrol-1-yl)-1-heptanoic acid, 2-(4-fluorophenyl)- β , δ -dihydroxy-5-(1-methylethyl)-3-phenyl-4-[(phenylamino)carbonyl]-, 1,1-dimethylethyl ester, [β] α -(CA INDEX NAME)

Absolute stereochemistry



OS.CITING REF COUNT: 9 THERE ARE 9 CAIRUS RECORDS THAT CITE THIS RECORD
(12 CITINGS)
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT